

THE ANNALS of PROBABILITY

AN OFFICIAL JOURNAL OF
THE INSTITUTE OF MATHEMATICAL STATISTICS

Articles

| | | |
|--|---|------|
| Brownian motion, geometry, and generalizations of Picard's little theorem | S. I. GOLDBERG AND C. MUELLER | 833 |
| Sojourns of stationary processes in rare sets | SIMEON BERMAN | 847 |
| Hydrodynamics of the voter model | ERRICO PRESUTTI AND HERBERT SPOHN | 867 |
| Occupation time limit theorems for the voter model | J. THEODORE COX AND DAVID GRIFFEATH | 876 |
| Countable state space Markov random fields and Markov chains on trees | STAN ZACHARY | 894 |
| Ramsey's theorem and Poisson random measures | TIMOTHY C. BROWN AND JOSEPH KUPKA | 904 |
| Limit theorems for certain branching random walks on compact groups and homogeneous spaces | SVANTE JANSON | 909 |
| A class of Bernoulli random matrices with continuous singular stationary measures | STEVEN PINCUS | 931 |
| Probability estimates for the small deviations of d -dimensional random walk | PHILLIP S. GRIFFIN | 939 |
| An integral test for the rate of escape of d -dimensional random walk | PHILLIP S. GRIFFIN | 953 |
| The class of limit laws for stochastically compact normed sums | WILLIAM E. PRUITT | 962 |
| Orthogonal transition kernels | R. D. MAULDIN, D. PREISS AND H. V. WEIZSÄCKER | 970 |
| Tightness of probabilities on $C([0,1]; \mathcal{S}')$ and $D([0,1]; \mathcal{S}')$ | ITARU MITOMA | 989 |
| On the first passage time distribution for a class of Markov chains | MARK BROWN AND NARASINGA R. CHAGANTY | 1000 |
| Some more results on increments of the Wiener process | D. L. HANSON AND R. P. RUSSO | 1009 |
| The concave majorant of Brownian motion | PIET GROENEBOOM | 1016 |
| Chi squared approximations to the distribution of a sum of independent random variables | PETER HALL | 1028 |
| Independence via uncorrelatedness under certain dependence structures | KUMAR JOAG-DEV | 1037 |
| A Berry-Esseen theorem for associated random variables | THOMAS E. WOOD | 1042 |

Short Communications

| | | |
|--|-----------------------------------|------|
| A multidimensional CLT for maxima of normed sums | CHARLES HAGWOOD AND HENRY TEICHER | 1048 |
| Strong law of large numbers with respect to a set-valued probability measure | M. L. PURI AND D. A. RALESCU | 1051 |

Corrections

| | | |
|--|-------------|------|
| Correction to "Large deviation probabilities for sample from a finite population" | J. ROBINSON | 1055 |
| Correction to "Approximating IMRL distributions by exponential distributions with applications to first passage times" | MARK BROWN | 1055 |

Vol. 11, No. 4—November 1983